DATA SHEET

Ativa™ Optimize

Part of the Infovista Ativa™ suite of applications for Automated Assurance & Operations

RAN analytics and optimization for network and user geospatial intelligence, automated diagnostics and resolution, and actionable insights across the organization

Manage complex RAN networks through automated optimization, geolocation, and subscriber intelligence

Infovista **Ativa™ Optimize** enables CSPs to overcome the difficulty of managing multi-technology and multi-vendor radio networks, especially with the adoption of 5G and new virtualized and open RAN. As new operational challenges emerge from the network complexity and increased number of siloed systems – decreasing the efficiency of optimization and engineering teams – the need for a single automated cloud-native solution has become eminent, a problem proficiently solved through Ativa Optimize.

Ativa Optimize is based on a powerful cloud-native analytics and automation platform, which integrates with all other Ativa Suite applications for combined advanced end-to-end use cases. It provides you with dashboards for advanced reporting and best-in-class geolocation maps with high accuracy for geospatial analytics. The new integrated Call Trace Parser supports all the major vendor traces across multiple mobile technologies (5G, 4G, 3G and 2G).
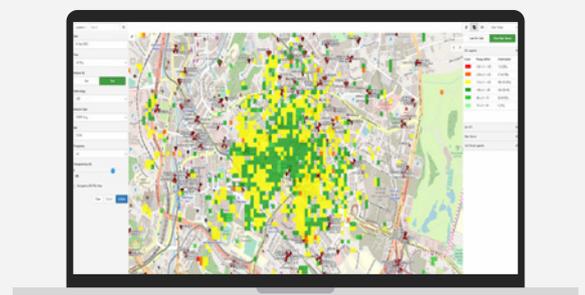
Features and use cases

RF diagnostics, Analytics, and Recommendations:

- Identify, analyze, and resolve overshooting cells through automated tilt recommendations
- Detect swapped feeder issues and resolve them through automated investigation and recommendations
- Identify the root-cause for poor RF downlink through corner effect, missing neighbors, and pollution analysis

Geo-spatial analytics:

- Analyze and compare plots and polygons at different dates and time
- Filter based on multiple KPIs
- Visualize and understand customer impacted areas

Monitoring and geolocated troubleshooting:

- Monitor network/cell RF coverage performance with out-of-the-box dashboards

- Investigate and analyze geolocated bin plots on site and cell level

- Identify and prioritize automatically key traffic patterns affecting network, subscribers, and devices

- Geolocate and troubleshoot individual subscriber/ device issues through L3 messages and events

Actionable dashboard and reporting:

- Monitor groups of subscribers and devices along with their RF quality through pre-configured dashboards

- Customize dashboards based on several metrics and KPIs (call types, call end reasons, …)

- Drill-down to map view of subscriber locations for geolocated investigation and troubleshooting

Integration within Ativa Suite:

Benefit from a seamless integration with other Ativa Suite modules to unlock new use-cases and solutions such as 360° Assurance of 5G slices, VoLTE and VoNR , cross-domain end-to-end customer experience reporting, and end-to-end troubleshooting across core and radio – requires Ativa App/Experience for core network and subscriber visibility

With Ativa Optimize, CSPs immediately start improving the cost and efficiency of managing their entire radio networks thanks to a single pane of glass. It also enables through its automation and actionable insights the proactive resolution of issues before becoming subscriber-impacting, which helps improve customer experience, manage and guarantee SLAs, and secure service monetization and minimize churn.

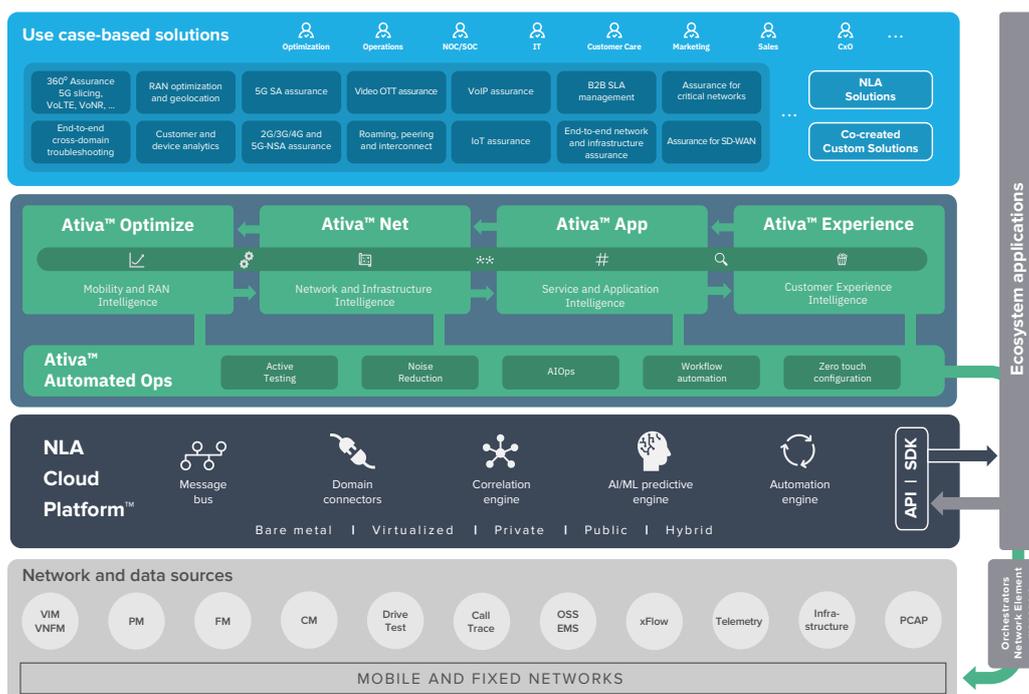| Users	Benefits	Key features
CMO - CEM/ Customer Care	• Single pane of glass, monitoring multi-techno/vendor RAN performance	• Automated RF diagnostics and recommendations
CTO - NOC/SOC	• Proactive monitoring of VIPs and subscriber groups, improving customer experience and reducing churn	• Identification and prioritization of customer impacted areas
CTO - Planning and optimization	• Streamlined RAN optimization and operations through automation	• Geospatial analytics
CTO - Network engineering	• Actionable insights supporting planning and marketing decisions	• Troubleshooting and RCA down to subscriber and device
	• Reduction in drive tests and costs	• Best-in-class geolocation capability
	• Reduced MTTx and OPEX	• Cloud-native, with seamless integration into Ativa Suite

Ativa Optimize

Part of the Ativa Suite for automated assurance and operations powered by NLA Cloud Plarform™

Deployed on Infovista's NLA Cloud Platform – the common platform powering Infovista's complete portfolio (TEMS™, Planet® and Ativa Suite) – Ativa Optimize reaps the full benefits of the platform's cloud-native microservices-based architecture, its common correlation, analytics, ML/AI and automation engines, as well as its flexibility, interoperability, and openness thanks to full SDKs and open interfaces for 3rd party integration with external systems.

As an integral part of the Ativa Suite for automated assurance & operations, Ativa Optimize extends some of its key capabilities across the assurance ecosystem, enabling cross-domain and cross-product data correlation, geolocated analysis and end-to-end troubleshooting.

The Ativa Suite applications are:

- **Ativa Experience** – for cross-domain visibility of perceived subscriber experience, including deep packet analysis

- **Ativa App** – for cross-domain visibility of subscriber-facing and resource-facing services. It proactively monitors and troubleshoots QoS and enterprise SLAs across wireless and wireline

- **Ativa Net** – for cross-domain visibility network resources and infrastructure performance. It correlates network services, VNFs and infrastructure for rapid troubleshooting

- **Ativa Optimize** – for automated RAN analytics and diagnostics with geospatial representations and localization

- **Ativa Automated Ops** – for automated AI/ML-driven predictive analytics; what-if scenario analytics; network and service orchestrator interoperability; zero-touch resource configuration; NOC/SOC workflow automation; and active testing and validation

The Ativa Suite provides a cost-efficient path towards increasingly advanced network and service operations processes and scenarios, with each combination enabling new use cases, all empowered by Infovista's Network Lifecycle Automation (NLA) Cloud Platform.

About Infovista

Infovista is the global leader in network lifecycle automation (NLA) for the next-gen networks era. With its unique NLA approach, Infovista allows communications service providers (CSPs) and enterprises to improve their network performance and customer experience, optimize their productivity, and reduce their costs, while maximizing return on their investments. Spanning the entire network lifecycle, Infovista's products and solutions leverage an open, integrated, cloud-native portfolio that automates tasks, flows, analytics, and decisions to the greatest extent possible. More than 1,500 customers, including 400 mobile network operators, around the world rely on Infovista to plan, design, deploy, test, operate, support, optimize, evolve, report on and monetize their networks.

For more information please visit www.infovista.com
For sales inquiries please email info@infovista.com

EUROPE HEADQUARTERS
Infovista S.A.S.

3 rue Christophe Colomb,
91300 Massy, France

Telephone: +33 1 64 86 79 00
Fax: +33 1 64 86 79 79

AMERICAS HEADQUARTERS
Infovista Corporation

20405 Exchange Street, Suite 300
Ashburn, VA 20147 USA

Telephone: +1 855 323 5757
Fax: +1 703 707 1777

EASTERN EUROPE, ASIA, AND AFRICA HEADQUARTERS

PO Box 54753, Office 429, 4th Floor,
Building 8WB, Dubai Airport Freezone

Telephone: +971 4256 7101